What is claimed is:

1. (original) An electrical machine, in particular a generator for motor vehicles, with a rotatably supported rotor (27), whereby at least one bearing (24) serves to support the rotor (27) in a hub (21), and an axially-acting spring force of a spring element (47) acts on the bearing (24), the spring element bearing against the hub (21) with spring force,
wherein the spring element (47) is a disc spring and is capable of functioning back and forth across a "flat" position of the spring element (47).

2. (original) The electrical machine as recited in Claim 1,
wherein the spring element (47), in an outer region, bears against an outer ring (44) of a rolling bearing (24) and, in an inner region, against a hub projection (30).

3. (original) The electrical machine as recited in Claim 2,
wherein the hub projection (30) is basically annular in shape and has a conical spring-support surface (35) that declines outwardly.

4. (currently amended) The electrical machine as recited in ~~one of the preceding Claims~~ Claim 1,
wherein the spring element (47) configured as a disc spring essentially has the shape of a frustoconical shell.

5. (currently amended) The electrical machine as recited in ~~one of the preceding Claims~~ Claim 1,
wherein a spacer (56) is located in the force-transfer direction between the bearing (24) and the spring element (47).

6. (currently amended) The electrical machine as recited in ~~one of the preceding Claims~~ Claim 1,

wherein a spacer (56) is located in the force-transfer direction between the spring element (47) and the hub (21).

7. (currently amended) The electrical machine as recited in Claim 5 ~~or 6~~, wherein the spacer (56) is a ring secured to the spring element (47).